



**CITY OF HUNTINGTON BEACH  
PUBLIC WORKS COMMISSION  
REQUEST FOR ACTION**

Item No. PWC 07-14

**SUBMITTED TO:** Chairman Siersema and Members of the Commission

**SUBMITTED BY:** *SA* Robert F. Beardsley, PE, Director of Public Works *Robert F. Beardsley*

**DATE:** May 30, 2007

**SUBJECT:** Recommend an Increase in the Change Order Limit for Lift Station D Construction

**Statement of Issue:** The construction of Sewer Lift Station D requires additional funding to make the station more compatible with the Orange County Sanitation District (District) design standards. An adjustment in the maximum change order amount will be necessary to complete the project. Additional supplemental expenses are also requested.

**Funding Source:** Funds in the amount of \$525,000 are available in the Sewer Service Charge Fund, Sewer Line CIP, Sewer Improvements 51189002.82600 to Sewer Lift Station CIP, Sewer Improvements, 51189001.82600.

**Recommended Action:** Recommend to the City Council:

1. Increase the previously authorized 15% change order limit for Lift Station D construction from \$621,435 (15%) an additional \$375,000 (9%) or for a total change order authorization of \$995,832 (24%).
2. Recommend an additional \$150,000 in supplemental expenses to complete the project.

**Alternative Action(s):** Do not approve the change order amount and forego modifying the station to meet District specifications.

**Analysis:** The construction schedule for Lift Station D has to be modified to allow changes to the original specifications. The City is currently in discussions with the District to eventually acquire and operate the station as part of the County system. The requested changes are necessary to meet station design standards, which would allow the District to take possession, operate and to maintain the station.

*E-1'*

As the modifications requested by the District are beyond the current scope of and budget authority for the project, additional authorization is needed for the City to issue new change orders to the contractor, Gantry Construction, Inc. The original construction contract was authorized at \$4,142,900, with 15% contingency, for a total of \$4,764,335. Supplemental expenditures of approximately 25% (\$1,036,000) were allocated for specialized project management, inspection, design engineering support and testing services. The specialized nature of this project necessitated a higher level of outside supplemental services.

The major components of previously issued change orders to date include differing site conditions, modifications to the original design due to site conditions, and City requested modifications to the original design to accommodate Hearthside (Brightwater) Development. These costs are listed in the attached Contract Adjustment Summary. Hearthside Development has reimbursed the City's Sewer Fund \$99,674 for the cost of the changes.

The revised cost for modifications will increase the change order amount by approximately \$375,000 or nine percent (9%). The required items are listed in the attached Contract Adjustment Summary.

Additional funding for the project will be allocated from the 2006/07 Sewer Lining Program balance. The planned sewer lining project was awarded in February 2007 and is under construction. Competitive bids resulted in a substantial cost savings.

Attachments: Contract Adjustment Summary

E-1<sup>2</sup>

## Contract Adjustment Summary

### List Station D Construction Contract

Items	Cost
Test Well Pumping	\$15,834
Hoist & Trolley Upgrade	\$2,305
Install inclinometer wells and monitor	\$21,093
Unknown Oil Line Abandonment	\$13,008
Water line relocation	\$20,691
Pothole Verizon Fiber Optics	\$3,807
Pothole SCE Service	\$7,800
Delay due to bone discovery	\$1,042
Develop Lift station subgrade	\$182,686
Install Water Stop and Water Proofing	\$7,119
Lift Station Electrical and Gas Service Modifications	\$169,990
Abandonment of Shoring System	\$199,464
Manhole number 1 modifications	-\$239,021
Revise Lift Station Deck Elevations	\$3,215
Lift Station Shoring Design Investigation	\$1,265
Lift Station Site Modifications requested by Hearthside	\$99,674
Revise 14"force Main Piping Connection	\$110,860
Sub Total	\$620,832
Additional Funding Requested	
Dual Motor Control Center (MCC), layout and installation	\$110,000
Pump suction piping modifications	20000
Covert dry well to Class 1, Div 2 per NEC & NFPA electrical codes	65000
Temporary MCC Connection	\$20,000
Contractor remobilization, relocation of materials and delay costs	\$115,000
Miscellaneous materials and added contingency to complete contract	\$45,000
Sub Total	\$375,000
Total	\$995,832

Note: Hearthside requested modifications and paid the City \$99,674 for the associated costs.

E-1<sup>3</sup>